

Please add claim 14 as follows:

BS  
--14. A projector comprising:  
a colored light generation unit that repetitively generates a plurality of colored lights in a time sequence with a predetermined frequency;  
an image generation unit that processes said plurality of colored lights, so as to generate an image corresponding to each of said plurality of colored lights generated in a time sequence, said predetermined frequency being equal to or greater than 250 Hz; and  
a lens that projects the image.--

#### REMARKS

Claims 1, 3-11, 13 and 14 are pending. By this Amendment, claims 2 and 12 are cancelled, and the specification and claims 1, 3, 6-9, 11 and 13 are amended and claim 14 is added. The specification is amended merely for clarity and the amendments do not introduce any new matter.

The attached Appendix includes marked-up copies of each rewritten paragraph (37 C.F.R. §1.121(b)(1)(iii)) and claim (37 C.F.R. §1.121(c)(1)(ii)).

Reconsideration based on the following remarks is respectfully requested.

#### **I. The Claims Define Patentable Subject Matter**

The Office Action rejects claims 1, 4-8, 10 and 11 under 35 U.S.C. §102(b) over McKnight (U.S. Patent No. 5,959,598); claims 2, 3, 12 and 13 under 35 U.S.C. §103(a) over McKnight; and claim 9 under 35 U.S.C. §103(a) over McKnight in view of Richardson (U.S. Patent No. 5,113,332). These rejections are respectfully traversed.

McKnight does not disclose or suggest a color display device including a colored light generation unit that repetitively generates a plurality of colored lights in a time sequence with a predetermined frequency, and an image generation unit that processes the plurality of colored lights, so as to generate an image corresponding to each of the plurality of colored lights generated in a time sequence, the predetermined frequency being equal to or greater than 250 Hz, as recited in claim 1. McKnight also does not disclose or suggest a color

display method, including repetitively generating a plurality of colored lights in a time sequence with a predetermined frequency, and processing the plurality of colored lights, so as to generate an image corresponding to each of the plurality of colored lights generated in a time sequence, the predetermined frequency being equal to or greater than 250 Hz, as recited in claims 11.

The Office Action asserts that McKnight, particularly at column 18, lines 20-22, discloses the color display device of the claimed invention including a colored light generation unit for repetitively generating a plurality of colored lights in a time sequence with a predetermined frequency of 180 Hz.

Applicants note that a prima facie case of obviousness based on overlapping ranges can be rebutted by showing the criticality of the claimed range. See MPEP §2144.05. In this case, the Office Action asserts that it would have been obvious to make the predetermined frequency 250 Hz because McKnight teaches that the frame frequency begins at 180 Hz. However, McKnight does not specifically teach making the predetermined frequency 250 Hz. In fact, as discussed in the present specification at page 13, lines 5-9, making the predetermined frame frequency 250 Hz is critical. Specifically, using a frequency of 250 Hz reduces or eliminates an observers perceived color break up caused by high speed eye movement in addition to preventing perceived color break up due to the movement of a presenter. McKnight does not recognize the criticality of making the predetermined frequency 250 Hz or more. Thus, there is no motivation to modify McKnight to have the claimed frequency, so it would not have been obvious to modify the teaching of McKnight by making the predetermined frequency 250 Hz or more.

New claim 14 is drawn to a projector including, inter alia, a colored light generation unit that repetitively generates a plurality of colored lights in a time sequence with a predetermined frequency, the predetermined frequency being equal to or greater than 250 Hz.

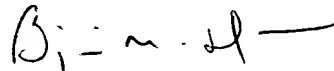
For at least these reasons, it is respectfully submitted that claims 1, 11 and 14 are patentable over the applied references. The dependent claims are likewise patentable over the applied references for at least the reasons discussed as well as for the additional features they recite. Applicants respectfully request that the rejections under 35 U.S.C. 102 and 103 be withdrawn.

## **II. Conclusion**

In view of the foregoing, Applicants respectfully submit that this application is in condition for allowance. Favorable consideration and prompt allowance are earnestly solicited.

Should the Examiner believe anything further is desirable in order to place this application in even better condition for allowance, the Examiner is invited to contact Applicants' undersigned representative at the telephone number listed below.

Respectfully submitted,



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APPENDIX

1. (Twice Amended) A color display device, comprising:  
a colored light generation unit that repetitively generates a plurality of colored lights in a time sequence with a predetermined frequency; and  
an image generation unit that processes said plurality of colored lights, so as to generate an image corresponding to each of said plurality of colored lights generated in a time sequence, said predetermined frequency being at least 180 Hz equal to or greater than 250 Hz.
3. (Twice Amended) The color display device according to claim 1, said predetermined frequency being equal to or greater than 300 Hz.
6. (Twice Amended) The color display device according to claim 1, said image generation unit being a reflection type spatial light modulator~~reflected type electro-optical device~~.
7. (Twice Amended) The color display device according to claim 6, said ~~electro-optical device~~ spatial light modulator being a liquid crystal device.
8. (Twice Amended) The color display device according to claim 6~~1~~, said ~~electro-optical device~~ image generation unit being a digital micro-mirror device.
9. (Twice Amended) The color display device according to claim 1, said image generation unit comprising a ~~transparent type electro-optical device~~ transmission type spatial light modulator.
11. (Twice Amended) A color display method, comprising:  
repetitively generating a plurality of colored lights in a time sequence with a predetermined frequency; and  
processing said plurality of colored lights, so as to generate an image corresponding to each of said plurality of colored lights is generated in a time sequence, said predetermined frequency being equal to or greater than 250 Hz~~at least 180 Hz~~.
13. (Twice Amended) The color display method according to claim 11, said predetermined frequency being equal to or greater than 300 Hz.